Rpt. 9

Date of writing report 31.5.60. Received London ..... Port Liverpool. No. 154388

Survey held at Birkenhead. No. of visits 1 First date and Last date 3.5.60.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 07109 Name S.S. "CLAN MACBRAYNE" Gross tons 7129 Date of build 1942 10

Owners The Clan Line Steamers Ltd. Managers Cayzer, Irvine & Co. Ltd. Port of Registry Glasgow

Engines made 1942 By John Inglis Co. Ltd. Type T 3Cy.

No. of Main Engines 2 No. of Screws 2

No. of Main Boilers 3 SB W.P. 220lb Spt.

No. of Aux./Donkey Boilers - W.P. -

Surveyed Afloat or in Dry Dock Drydock

Nature of Survey Damage

Was Damage Report issued? No Int. Cert.? Yes

Last Report (*For Head Office only*)

Records of Survey & Special Notations as per Register Book

Hull		*Machinery*		
✠100A1	10,59	✠LMC		5,57
SS.	5,57	BS.	M	1,59
		TS.	CL	1,59N
with fbd Carrying veg. oil in		s.p.s.		3,58
Dtsa				
		OF12/49		

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

Yes

Has a Survey also been held on Ship? ..... *If so, is the Report sent now, or when will it be sent?* .....

DOCKING Propellers Good Wear Down of Stern Bushes $\frac{1}{8}$" ~~Oil Glands~~ Sea Connections -

Fastenings Good Has Screwshaft Tubeshaft been drawn? No Date of Examination - Has Shaft been changed? -

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? No

MAIN ENGINES (Recip. Steam or I.C.)	PORT	STARBOARD
1 Cyls., Covers, Pistons & Rods		
2 Valves & Gears		
3 Connecting Rods, Top Ends & Guides — *Side*		
3 Connecting Rods, Top Ends & Guides — *Centre*		
4 Crankpins & Bearings — *Side*		
4 Crankpins & Bearings — *Centre*		
5 Journals & Bearings		
MAIN ENGINE DRIVEN AIR COMPRESSORS		
6 Cyls., Covers, Pistons & Rods		
7 Connecting Rods & Top Ends		
8 Crankpins & Bearings		
9 Journals & Bearings		
10 Coolers & Safety Devices		
MAIN ENGINE DRIVEN SCAVENGE PUMPS		
11 Cyls., Covers, Pistons & Rods		
12 Connecting Rods & Top Ends		
13 Crankpins & Bearings		
14 Journals & Bearings		
15 Levers		
16 SCAVENGE BLOWERS		
17 SUPERCHARGERS		
MAIN TURBINES		
18 Casings, Rotors, Blading, Bearings & Thrusts		
19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)		
20 STEAM COMPRESSORS		
21 CLUTCHES & HYDRAULIC COUPLINGS		
22 REDUCTION GEARING		
23 THRUST BLOCKS, SHAFTS & BEARINGS		
24 INTERMEDIATE SHAFTS & BEARINGS		
25 HOLDING DOWN BOLTS & CHOCKS		
26 CONDENSERS (MAIN & AUX.)		
27 STEAM RE-HEATERS		
28 DE-SUPERHEATERS		
29 STOP & MANŒUVRING VALVES		
30 MAIN ENGINE DRIVEN PUMPS		

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES ..... Have Main Engines been tested working and manœuvring? .....

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel, so far as now seen, is eligible in my opinion to remain as classed in the Register Book without fresh record of survey.

If certificate is required state where to be sent .....

Date of Committee LIVERPOOL 14 JUN 1960

Decision As now, subject to [illegible]

Noted for Header

(D.McCOLVILLE)

Engineer Surveyor to Lloyd's Register of Shipping

50m,4,59 T. (MADE AND PRINTED IN ENGLAND)

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0076417C0652-0208

32 **Essential Independent Pumps** (*Identify by position*)

33 **Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls**

34 **Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?**

35 **Fresh Water Coolers** 36 **Lub. Oil Coolers** 37 **Heaters (state service)**

38 **Independent Air Compressors, Coolers & Safety Devices**

39 **Air Receivers & Safety devices—Main** 40 **Auxiliary**

41 **Oil Fuel Tanks** (*Not forming part of hull structure*)

42 **Evaporators** 43 **Have Evaporator Safety Valves been tested under steam?**

44 **Steering Machinery** 45 **Windlass** 46 **Fire Extinguishing Arrangements**

AUXILIARY ENGINES (*Identify by position*)

ELECTRICAL EQUIPMENT

PROPULSION	PORT	STARBOARD
a Generators		
b Exciters		
c Air Coolers		
d Motors		
e Air Coolers		
f Control Gear, Cables, etc.		
g Insulation Resistance		
h Insulating Oil Test		
i Overspeed Governors		
Magnetic Couplings		
k Air Gap		

AUXILIARY EQUIPMENT

l Generators & Governors

m Motors

n Switchboards & Fittings

o Circuit Breakers

p Cables

q Insulation Resistance

r Steering Gear Generators and Motors

s Navigation Light Indicators

BOILERS OPENED UP & EXAMINED (*Identify by position and state latest date of internal examination of each boiler*)

MAIN **AUXILIARY, DONKEY or PRESS**

Superheaters

Safety Valves

Mountings, Doors & Fastenings

Safety Valves Adjusted to { **Sat.** / **Spt.**

Boiler Securing Arrangements

Main Economisers **Exhaust Gas Heated Economisers**

Steam Heated Steam Generators **Steam Generator Safety Valves Adjusted to**

Were Oil Burning System & Remote Controls examined working in accordance with Rules? **Forced Circulating Pumps**

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? **Funnel**

EXAMINATION & TESTING OF STEAM PIPES (*State material*)

Main **Auxiliary (over 3 in. bore)**

Were Copper Pipes annealed? **Have Saturated Pipes in cylindrical boiler smoke boxes been tested?**

PARTICULARS OF DEFECTS & REPAIRS, ETC. (*Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class*)

DAMAGE. Stated to have been caused by the vessel striking a wooden jetty whilst being towed stern first towards the Vittoria dock entrance, Birkenhead on the 14th April,1960 when outward bound.

NOW DONE. Steering gear dismantled, examined and found in order.

See Liverpool Ship Report 8 attached for repairs to rudder.

LEAVE THIS SPACE BLANK

Survey fees ...

Damage fee ... £5 - 0 - 0

Expenses ... 4/-

Date when A/c rendered 7/6/60

Please quote Reference when replying

It is submitted that this vessel is entitled to claim as CLASSED. Amount of payment subject to approval

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